

INTERNATIONAL SEARCH REPORT

PCT/GB2004/005164

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 H04L12/26 G06F13/38

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 H04L G06F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category ^a	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2003/188054 A1 (SAITO HIROSHI ET AL) 2 October 2003 (2003-10-02) abstract	1-46
A	US 5 903 774 A (HANNAH ERIC C) 11 May 1999 (1999-05-11) abstract column 1, line 58 - column 2, line 58	1-46
A	US 6 434 620 B1 (BLIGHTMAN STEPHEN E J ET AL) 13 August 2002 (2002-08-13) cited in the application abstract	1-46
A	US 6 480 489 B1 (CHENG LINDA T ET AL) 12 November 2002 (2002-11-12) cited in the application abstract	1-46



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

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Date of the actual completion of the international search

13 June 2005

Date of mailing of the international search report

02/09/2005

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Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 2003188054	A1	02-10-2003	JP	2004005382 A		08-01-2004
US 5903774	A	11-05-1999	WO	9737308 A1		09-10-1997
			DE	69618998 D1		14-03-2002
			DE	69618998 T2		29-08-2002
			EP	0976025 A1		02-02-2000
			JP	11501429 T		02-02-1999
			JP	3271668 B2		02-04-2002
			WO	9718510 A1		22-05-1997
			US	5887989 A		30-03-1999
			US	5802069 A		01-09-1998
			US	6009527 A		28-12-1999
US 6434620	B1	13-08-2002	US	2004003126 A1		01-01-2004
			US	2002147839 A1		10-10-2002
			US	2004030745 A1		12-02-2004
			US	6427173 B1		30-07-2002
			US	6427171 B1		30-07-2002
			US	2004062246 A1		01-04-2004
			US	2004100952 A1		27-05-2004
			US	2004111535 A1		10-06-2004
			US	2001047433 A1		29-11-2001
			US	2001021949 A1		13-09-2001
			US	2004240435 A1		02-12-2004
			US	2002091844 A1		11-07-2002
			US	2002087732 A1		04-07-2002
			US	2002095519 A1		18-07-2002
			US	2002161919 A1		31-10-2002
			US	6389479 B1		14-05-2002
			US	2004117509 A1		17-06-2004
			US	2001036196 A1		01-11-2001
			US	2001037397 A1		01-11-2001
			US	2001037406 A1		01-11-2001
US 6480489	B1	12-11-2002	AU	3387400 A		21-09-2000
			EP	1157518 A2		28-11-2001
			JP	2002538723 A		12-11-2002
			WO	0052879 A2		08-09-2000